

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Original) A method for utilizing a Layer Peeling Technique to build a spiral inductor wideband equivalent circuit, said method comprising:
step 1: inputting a ultra-short impulse to a inductor;
step 2: measuring a reflective and a transmissive response of said impulse;
step 3: building a corresponding equivalent circuit model by said reflective and transmissive responses;
step 4: establishing and extracting impedances of a plurality of transmission lines;
step 5: transforming said impedance of said transmission line to LC equivalent circuit model;
step 6: combining parasitic equivalent circuit elements device and extracting parameters by comparing with said measurement;
step 7: concluding results of the steps depicted above.

7. (Currently Amended) The method according to claim 6, wherein said step 4 ~~could be~~ simplified to merely comprise a signal path of a first reflection and a first transmission.

8. (Original) The method according to claim 6, wherein said LC equivalent circuit model is composed of n pieces of inductor L_n and capacitor C_n ; $L_n = Z_n \times T_{pdn}$

$C_n = Y_n \times T_{pdn}$, wherein $Y_n = 1/Z_n$, T_{pdn} is transmission time of the n th transmission line.

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)